

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2015 Levee Inspection Results****Reclamation District No. 2064 River Junction**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 2064 River Junction

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	5.56
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/21/2015 - 04/21/2015			
DWR Inspector	Herman Phillips			
Accompanied By	Gordon Armstrong RD 2064 President			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/21/2015 04/21/2015	Herman Phillips

LM Start		Rating **	A	Issue No.	6		
LM End		Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				°		°
					°		°
DWR ID	DWR_RD2064_01_f_2014_6						
Action/Comments							
Inspector Comments: District 2064 has the O&M Manual on hand.							

No Photos

LM Start		Rating **	A	Issue No.	7	
LM End		Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Emergency Supplies & Equipment				°	
					°	
DWR ID	DWR_RD2064_01_f_2014_7					
Action/Comments						
Inspector Comments: The district has an adequate supply of flood fight materials in storage.						

No Photos

LM Start		Rating **	A	Issue No.	8	
LM End		Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	
					°	
DWR ID	DWR_RD2064_01_f_2014_8					
Action/Comments						
Inspector Comments: District 2064 has been trained for flood fighting.						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/21/2015 04/21/2015	Herman Phillips

LM Start	0.05	Rating **	M	Issue No.	22
LM End	0.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.709850 °	37.702112 °
				-121.267578 °	-121.271432 °
DWR ID	DWR_RD2064_01_s _ 2015_22				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_RD2064_313_22_20150604_00009.jpg



View looking downstream along the landside slope.

LM Start	0.05	Rating **	M	Issue No.	23
LM End	2.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.709850 °	37.687515 °
				-121.267578 °	-121.256653 °
DWR ID	DWR_RD2064_01_s _ 2015_23				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.07	Rating **	M	Issue No.	24
LM End	0.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.709620 °	37.709620 °
				-121.267547 °	-121.267547 °
DWR ID	DWR_RD2064_01_s _ 2015_24				
Action/Comments					
Pipe					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/21/2015 04/21/2015	Herman Phillips

LM Start	0.08	Rating **	M	Issue No.	39
LM End	0.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.709725 °	37.709725 °
				-121.267534 °	-121.267534 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:18718 DS_ID:20512 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 1 of 3: 24-inch stormdrain discharge pipe through the levee 2.0 feet below the crown (Permit No. 13907, 1985). Two 100-horsepower and one 75-horsepower pumps on landward toe of levee. Siphon breaker on WS shoulder. FS Date: 08/27/2013					

No Photos

LM Start	0.08	Rating **	M	Issue No.	40
LM End	0.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.709698 °	37.709698 °
				-121.267536 °	-121.267536 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:22729 DS_ID:20527 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 2 of 3: 24-inch steel stormdrain discharge pipe through the levee 2.0 feet below the crown (Permit No. 13907, 1985). Two 100-horsepower and one 75-horsepower pumps on pier at landward toe of levee. Siphon breaker on WS shoulder. FS Date: 08/27/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/21/2015 04/21/2015	Herman Phillips

LM Start	0.08	Rating **	M	Issue No.	41
LM End	0.08	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.709672 °	37.709672 °
				-121.267532 °	-121.267532 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:18720 DS_ID:20528 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 3 of 3: 24-inch steel stormdrain discharge pipe through the levee 1.0-foot below the crown (Permit No. 13907, 1985). Two 100-horsepower and one 75-horsepower pumps on landward toe of levee. Siphon breaker on WS shoulder. FS Date: 08/27/2013					

No Photos

LM Start	1.28	Rating **	M	Issue No.	42
LM End	1.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.695529 °	37.695529 °
				-121.270005 °	-121.270005 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:40792 DS_ID:20533 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump and slant pipe missing from structure on WS slope. FIELD_STRUCT_DESC: 12-inch steel concrete encased irrigation pipe through the levee 13.0 feet below the crown, slant pump on the WS toe. Slide gate in 36-inch CMP riser on the WS shoulder. 6'X6' concrete distribution box and filter plant on LS toe. 2-inch galvanized iron electrical conduit at same location. Originally included in the 1968 O&M manual. FS Date: 08/27/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/21/2015 04/21/2015	Herman Phillips

LM Start	1.28	Rating **	U	Issue No.	43
LM End	1.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.695506 °	37.695506 °
				-121.269995 °	-121.269995 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:42940 DS_ID:20524 EP_NO: 3739 Repair Type: Urgent Crossing Status: Found UCIP Comments: Some leakage at connection between pipe and distro box on LS toe. This may indicate internal failure of pipe. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee 10.75-feet below the crown. Slant pump on WS toe. Slide gate in 36-inch CMP riser on WS shoulder. 6'X6' concrete distribution box and filter plant on LS toe. 2-inch galvanized iron electrical conduit at same location. FS Date: 08/27/2013					

LM Start	1.59	Rating **	U	Issue No.	26
LM End	1.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.690678 °	37.690067 °
				-121.270525 °	-121.269865 °
DWR ID	DWR_RD2064_01_s _ 2015_26				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Control the unacceptable weeds on the waterside levee slope.					

Photo 1 of 1 : SP_2015_RD2064_313_26_20150604_00010.jpg



View looking downstream at unacceptable weeds on the levee slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/21/2015 04/21/2015	Herman Phillips

LM Start	2.00	Rating **	M	Issue No.	44
LM End	2.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.689900 °	37.689900 °
				-121.264802 °	-121.264802 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:18763					
DS_ID:20515					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Culvert filled nearly to the top with soil.					
FIELD_STRUCT_DESC: 30-inch square reinforced concrete stormdrain box culvert through the levee 14.7-feet below the crown. Slide gate in concrete riser unit on the waterward slope. Concrete "U" shaped headwalls on both ends. Flap gate on the waterward end. Originally included in the 1968 O&M manual.					
FS Date: 08/27/2013					

No Photos

LM Start	2.12	Rating **	M	Issue No.	28
LM End	2.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.688988 °	37.687515 °
				-121.261748 °	-121.256653 °
DWR ID	DWR_RD2064_01_s_2015_28				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	2.19	Rating **	M	Issue No.	29
LM End	2.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.688170 °	37.688170 °
				-121.260950 °	-121.260950 °
DWR ID	DWR_RD2064_01_s_2015_29				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove tobacco weed growing on the levee section waterside.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/21/2015 04/21/2015	Herman Phillips

LM Start	2.54	Rating **	M	Issue No.	32
LM End	3.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.686208 °	37.676342 °
				-121.255857 °	-121.264155 °
DWR ID	DWR_RD2064_01_s _ 2015_32				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	2.54	Rating **	M	Issue No.	33
LM End	3.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.686208 °	37.676342 °
				-121.255857 °	-121.264155 °
DWR ID	DWR_RD2064_01_s _ 2015_33				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.68	Rating **	M	Issue No.	34
LM End	3.51	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.684107 °	37.675995 °
				-121.255545 °	-121.264027 °
DWR ID	DWR_RD2064_01_s _ 2015_34				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/21/2015 04/21/2015	Herman Phillips

LM Start	3.55	Rating **	M	Issue No.	45
LM End	3.55	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676751 °	37.676751 °
				-121.264193 °	-121.264193 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:22731					
DS_ID:20517					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Neet to verify status of pipeline.					
FIELD_STRUCT_DESC: Underground gas line crossing; depth through the levee and size unknown. Found possible sign posts on WS toe.					
FS Date: 08/27/2013					

No Photos

LM Start	3.59	Rating **	M	Issue No.	46
LM End	3.59	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676276 °	37.676276 °
				-121.264104 °	-121.264104 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:22085					
DS_ID:24059					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Unable to identify purpose or permit for this crossing.					
FIELD_STRUCT_DESC: 1 of 2: 4-inch galvanized iron conduit through the levee at unknown depth below the crown. Visible on downstream side of the bridge. 3.5-foot by 6-foot steel vault on crown.					
FS Date: 08/27/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/21/2015 04/21/2015	Herman Phillips

LM Start	3.59	Rating **	M	Issue No.	47
LM End	3.59	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676276 °	37.676276 °
				-121.264104 °	-121.264104 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:22790					
DS_ID:24060					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Unable to identify purpose or permit for this crossing.					
FIELD_STRUCT_DESC: 2 of 2: 4-inch galvanized iron conduit through the levee at unknown depth below the crown. Visible on downstream side of the bridge. 3.5-foot by 6-foot steel vault on crown.					
FS Date: 08/27/2013					

No Photos

LM Start	3.67	Rating **	M	Issue No.	48
LM End	3.67	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675266 °	37.675266 °
				-121.263421 °	-121.263421 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:22732 DS_ID:20525 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if pipe was actually removed from levee. FIELD_STRUCT_DESC: 12-inch steel stormdrain pipe through the levee at unknown depth below the crown. Steel plate welded over LS end at LS toe. Permit No. 6450, states it was removed in 1973, but it remains visible on the LS toe. Originally included in the 1968 O&M manual. FS Date: 08/27/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/21/2015 04/21/2015	Herman Phillips

LM Start	3.67	Rating **	M	Issue No.	49
LM End	3.67	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675267 °	37.675267 °
				-121.263426 °	-121.263426 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19044 DS_ID:20519 EP_NO: 6450 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 18-inch steel discharge pipe through the levee 2-feet below the crown. Crown roadway padded over the pipe. Pipe exposed on both slopes. Gate valve on the LS toe. Pump missing from sump with sheet pile siding in ditch on the landside. Siphon breaker on the waterward side (Permit No. 6450, 1969). FS Date: 08/27/2013					

No Photos

LM Start	3.67	Rating **	M	Issue No.	50
LM End	3.67	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675247 °	37.675247 °
				-121.263398 °	-121.263398 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:22733					
DS_ID:20522					
EP_NO: 13609					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned and should be done so properly. Pipe was to be removed in 1984.					
FIELD_STRUCT_DESC: 1 of 2: 24-inch steel discharge pipe through the levee 2-feet below the crown (Permit No. 13609, 1983). Approx. 420 feet upstream of Durham Ferry-Airport Way Road.					
FS Date: 08/27/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/21/2015 04/21/2015	Herman Phillips

LM Start	3.70	Rating **	M	Issue No.	51
LM End	3.70	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.675005 °	37.675005 °
				-121.263103 °	-121.263103 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19046 DS_ID:20534 EP_NO: 13609 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipes should be abandoned properly. FIELD_STRUCT_DESC: 2 of 2: *Removed* 24-inch steel pipe through levee 12.67 feet below crown (Permit No. 13609, 1983). Approx. 75 feet upstream of first 24-inch pipe. According to notes in permit, Concrete rubble was placed over pipe on WS slope. FS Date: 08/27/2013					

No Photos

LM Start	3.91	Rating **	M	Issue No.	35
LM End	5.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.673185 °	37.667515 °
				-121.258165 °	-121.241063 °
DWR ID	DWR_RD2064_01_s _ 2015_35				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/21/2015 04/21/2015	Herman Phillips

LM Start	4.84	Rating **	M	Issue No.	52
LM End	4.84	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.670161 °	37.670161 °
				-121.246973 °	-121.246973 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19063 DS_ID:20520 EP_NO: 3359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe not found. Need to determine disposition of pipe as all other appurtances remain. FIELD_STRUCT_DESC: 1 of 2: 24-inch pipe through the levee 3.5 feet below the crown (Permit No. 3359, 1961). Pump mounted on pipe structure in the river; protective fender in the stream, wooden walkway to the pump structure. Siphon breaker on the landward side. Originally included in the 1968 O&M manual. FS Date: 08/27/2013					

No Photos

LM Start	4.84	Rating **	M	Issue No.	53
LM End	4.84	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.670161 °	37.670161 °
				-121.246973 °	-121.246973 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19064					
DS_ID:20530					
EP_NO: 3359					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Pipe not found. Need to determine disposition of pipe as all other appurtances remain.					
FIELD_STRUCT_DESC: 2 of 2: 18-inch pipe through levee 3.5 feet below the crown (Permit No. 3359, 1961). Pump mounted on pipe structure in the river; protective fender in the stream, wooden walkway to the pump structure. Siphon breaker on the landward side. Originally included in the 1968 O&M manual.					
FS Date: 08/27/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	04/21/2015 04/21/2015	Herman Phillips

LM Start	5.14	Rating **	M	Issue No.	36
LM End	5.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.672872 °	37.667362 °
				-121.242832 °	-121.241035 °
DWR ID	DWR_RD2064_01_s _ 2015_36				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	5.56	Rating **	M	Issue No.	38
LM End	5.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.667127 °	37.667127 °
				-121.240972 °	-121.240972 °
DWR ID	DWR_RD2064_01_s _ 2015_38				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 2064 River Junction

Waterway			Bank	Unit Miles
Unit No. 02 Stanislaus River			Right	6.08
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/21/2015 - 04/21/2015			
DWR Inspector	Herman Phillips			
Accompanied By	Gordon Armstrong RD 2064 President			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/21/2015 04/21/2015	Herman Phillips

LM Start	0.00	Rating **	M	Issue No.	2
LM End	5.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.667068 °	37.704049 °
				-121.240899 °	-121.181042 °
DWR ID	DWR_RD2064_02_s_2012_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_RD2064_314_2_20150604_00014.jpg



View looking downstream at the landside slope.

LM Start	0.01	Rating **	M	Issue No.	30
LM End	0.01	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.666927 °	37.666927 °
				-121.240807 °	-121.240807 °
DWR ID	DWR_RD2064_02_f_2014_30				
Action/Comments					
Building					
Inspector Comments: Unauthorized building, satellite disk and concrete pad placed on waterside toe without a CVFPB Permit.					

Photo 1 of 1 : SP_2015_RD2064_314_30_20150312_00005.jpg



Looking downstream from waterside at unauthorized building and satellite dish on levee toe.

LM Start	0.03	Rating **	M	Issue No.	19
LM End	4.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.666902 °	37.695468 °
				-121.240418 °	-121.206327 °
DWR ID	DWR_RD2064_02_s_2015_19				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/21/2015 04/21/2015	Herman Phillips

LM Start	0.33	Rating **	M	Issue No.	26
LM End	0.33	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.664767 °	37.664767 °
				-121.236497 °	-121.236497 °
DWR ID	DWR_RD2064_02_f_2014_26				
Action/Comments					
Pipe					

Photo 1 of 2 : SP_2015_RD2064_314_26_20150312_00003.jpg



Looking downstream along the landside at an unauthorized pipe.

Photo 2 of 2 : SP_2015_RD2064_314_26_20150312_00004.jpg



View looking downstream at unauthorized pipe work through the levee section. No CVFPB permit on record for this work.

LM Start	0.34	Rating **	M	Issue No.	31
LM End	0.34	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.664752 °	37.664752 °
				-121.236512 °	-121.236512 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44653					
DS_ID:24062					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Plan of action in progress to install permanant pipe					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/21/2015 04/21/2015	Herman Phillips

LM Start	0.34	Rating **	U	Issue No.	32
LM End	0.34	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.664740 °	37.664740 °
				-121.236474 °	-121.236474 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19073 DS_ID:20537 EP_NO: 4462 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe failing on LS toe do to excessive rust. Pump missing from deteriorating wooden platform on LS slope. Pipe crossing being repaired at site. FIELD_STRUCT_DESC: 16-inch steel irrigation pipe through the levee 3.5-feet below the crown. Slant pump on the WS bank. Siphon breaker on the landward shoulder. Timber walkway from the levee slope to the pump motor (Permit No. 4462, 1964). Originally included in the 1968 O&M manual. 2-inch electrical conduit at same location. FS Date: 08/28/2013					

No Photos

LM Start	2.01	Rating **	M	Issue No.	33
LM End	2.01	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.676454 °	37.676454 °
				-121.223204 °	-121.223204 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:22095 DS_ID:24063 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee at unknown depth below the crown. Pump on wooden pier at WS . Vent between 2 steel bollards on LS shoulder. Filter plant on LS toe. 1.5-inch galvanized iron electrical conduit at same location. FS Date: 08/27/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/21/2015 04/21/2015	Herman Phillips

LM Start	2.58	Rating **	M	Issue No.	34
LM End	2.58	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.684148 °	37.684148 °
				-121.223599 °	-121.223599 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19086 DS_ID:20540 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leak next to roadway may indicate pipe has reached life capacity-good candidate for video inspection. FIELD_STRUCT_DESC: 30-inch reinforced concrete box culvert through the levee 14.5-feet below the crown. Pipe reduced to 24-inch through the berm to pump house. Slide gate in 6'X7' concrete riser unit on the waterward slope. Slant pump mounted on WS berm next to 5'X9' concrete riser. 1.5-inch electrical conduit at same location. Originally included in the 1968 O&M manual. FS Date: 08/28/2013					

No Photos

LM Start	4.27	Rating **	M	Issue No.	35
LM End	4.27	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.695198 °	37.695198 °
				-121.206414 °	-121.206414 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41075					
DS_ID:20542					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Gate missing from LS ditch.					
FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee					
6.0-feet below the crown. Slide gate in 36-inch corrugated metal riser					
unit on the waterward side. Pump mounted on pile structure in the river.					
Pipe discharges into cobble grouted spillway on the landward side. Flap					
gate on the landward side. Originally included in the 1968 O&M manual.					
FS Date: 08/28/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/21/2015 04/21/2015	Herman Phillips

LM Start	4.32	Rating **	M	Issue No.	36
LM End	4.32	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.695745 °	37.695745 °
				-121.205865 °	-121.205865 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:22107					
DS_ID:24064					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe does not have adequate cover at crown.					
FIELD_STRUCT_DESC: 12-inch steel discharge pipe through the levee					
0.5-feet below the crown. Pump on concrete headwall at LS toe. Pipe					
discharges into 6'X7' concrete box on WS shoulder.					
FS Date: 08/28/2013					

No Photos

LM Start	5.01	Rating **	M	Issue No.	37
LM End	5.01	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:22108 DS_ID:24065 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this discharge pipe. FIELD_STRUCT_DESC: 1 of 2: 4-inch PVC discharge pipe through the 30-inch stormdrain pipe 11-feet below the crown. No permit. FS Date: 08/28/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/21/2015 04/21/2015	Herman Phillips

LM Start	5.01	Rating **	M	Issue No.	38
LM End	5.01	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:22109 DS_ID:24066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 2 of 2: 4-inch PVC discharge pipe through the 30-inch stormdrain pipe 11-feet below the crown. No permit. FS Date: 08/28/2013					

No Photos

LM Start	5.57	Rating **	M	Issue No.	39
LM End	5.57	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.699557 °	37.699557 °
				-121.185385 °	-121.185385 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:22795					
DS_ID:24067					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing. No photos available.					
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee 0.75-feet below the crown. Butterfly valve and vent on the LS shoulder. Vent on the WS shoulder.					
FS Date: 08/28/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2064 River Junction

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	04/21/2015 04/21/2015	Herman Phillips

LM Start	5.64	Rating **	M	Issue No.	40
LM End	5.64	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.699848 °	37.699848 °
				-121.184135 °	-121.184135 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19145 DS_ID:20555 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so appropriately. FIELD_STRUCT_DESC: 30-inch corrugated metal irrigation pipe through the levee 10.0 feet below the crown. Slide gate in 36-inch corrugated metal riser unit on the waterward slope. Two corrugated metal cutoff walls. FS Date: 08/28/2013					

No Photos

LM Start	5.85	Rating **	M	Issue No.	41
LM End	5.85	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.702220 °	37.702220 °
				-121.182210 °	-121.182210 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:19146 DS_ID:20556 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Slide gate missing and CMP riser filled with soil. Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 20-inch corrugated metal pipe through the levee 13.0-feet below the crown. Slide gate in corrugated metal riser unit on the waterward slope. Two corrugated metal cutoff walls. Underground irrigation system. Originally included in the 1968 O&M manual. FS Date: 08/28/2013					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	